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REQUEST

Internation	al Application N	0.	
•	- ,		
Internation	al Filing Date		

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty. Applicant's or agent's file reference 55942PCT71699 (if desired) (12 characters maximum) Box No. I TITLE OF INVENTION Tunable Planar and Cylindrical Multi-Element Magnetic Resonance Imaging Detector Arrays, Systems and Apparatuses Embodying such Arrays and Methods Related Thereto Box No. II **APPLICANT** This person is also inventor Name and address: (Family name followed by given name; for a legal entity, full official designation. Telephone No. The address must include postal code and name of country. The country of the address indicated in this (410) 347-3222 Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) Facsimile No. The Johns Hopkins University School of Medicine (410) 347-3201 720 Rutland Avenue Baltimore, Maryland 21205 Teleprinter No. U.S.A. Applicant's registration No. with the Office State (that is, country) of residence: State (that is, country) of nationality: U.S.A. U.S.A. This person is applicant for the purposes of: all designated States except the States indicated in the Supplemental Box all designated the United States States the United States of America of America only FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) Box No. III Name and address: (Family name followed by given name; for a legal entity, full official designation. This person is: The address must include postal code and name of country. The country of the address indicated in this applicant only Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) Paul A. Bottomley applicant and inventor 6308 Velvet Path Columbia, Maryland inventor only (If this check-box U.S.A. is marked, do not fill in below.) Applicant's registration No. with the Office State (that is, country) of nationality: State (that is, country) of residence: U.S.A. ^ U.S.A. all designated States except the United States of America This person is applicant for the purposes of: all designated States the United States the States indicated in of America only the Supplemental Box Further applicants and/or (further) inventors are indicated on a continuation sheet. Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE The person identified below is hereby/has been appointed to act on behalf agent common representative of the applicant(s) before the competent International Authorities as: Name and address: (Family name followed by given name; for a legal entity, full official designation. Telephone No. The address must include postal code and name of country.) (617) 439-4444 Facsimile No. Daley, Jr., William J. (617) 439-4170 Edwards & Angell, LLP P.O. Box 9169 Teleprinter No. Boston, MA 02209 U.S.A. Agent's registration No. with the Office 35,487

Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

В	ox No.V	DESIGNATION OF ATES	•		Mark the applicable check-boxes belo	w, at l	east one must be marked.
Ti	ne follo	wing designations are hereby made un	nder	Rule	4.9(a):		
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Pre othe excl that the	caution or design luded from any des applican	ary Designation Statement: In add nations which would be permitted us om the scope of this statement. This signation which is not confirmed beformed the time the expiration of that time limit.	ition inder e ap ore th (Con	to the plicar ne exp	ne designations made above, the apple PCT except any designation(s) indicated declares that those additional designation of 15 months from the prioritation (including fees) must reach the receivation (including fees)	icant and intended in the control of	also makes under Rule 4.9(b) all the Supplemental Box as being s are subject to confirmation and is to be regarded as withdrawn by fice within the 15-month time limit.)

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Box No. VI PRIORITY CL.							
The priority of the following e	The priority of the following earlier application(s) is hereby claimed:						
Filing date	Number	Where earlier application is:					
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office			
item (1) 31 December 2001 31/12/ 2001	60/345,917	U.S.A.	*				
item (2)							
item (3)							
item (4)							
item (5)							
Further priority claims as	re indicated in the Supplemen	ıtal Box.	I				
The receiving Office is reque (only if the earlier application Office) identified above as:	ested to prepare and transmit on was filed with the Office	t to the International Bur which for the purposes of	eau a certified copy of of this international app	the earlier application(s) blication is the receiving			
all items item (1		item (3) · item (4)	item (5)	other, see Supplemental Box			
* Where the earlier application Industrial Property or one Memb	-		:				
	TIONAL SEARCHING AU						
Choice of International Sea international search, indicate the	rching Authority (ISA) (if Authority chosen; the two-letter	two or more International code may be used):	Searching Authorities are	competent to carry out the			
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Date (day/month/year)	Number	Country (or region	onal Office)				
Box No. VIII DECLARAT	ΓΙΟΝS						
The following declarations a check-boxes below and indica	re contained in Boxes Nos. te in the right column the nui	VIII (i) to (v) (mark the a mber of each type of decla	applicable uration):	Number of declarations			
Box No. VIII (i)	Declaration as to the identity	y of the inventor		:			
Box No. VIII (ii)	Declaration as to the applicadate, to apply for and be gra	ant's entitlement, as at the inted a patent	international filing	:			
Box No. VIII (iii)	Declaration as to the applicadate, to claim the priority of		international filing	:			
Box No. VIII (iv)	Declaration of inventorship United States of America)	(only for the purposes of	the designation of the	:			
Box No. VIII (v) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty:							

Sheet	NI.	4						
SHEEL	170.	٠	•	٠	•	•	٠	

Box No. IX CHECK LIST; L. GUAGE O	FFILING	
This international application contains: (a) the following number of sheets in paper form:	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	Number of items
request (including : 4 declaration sheets)	1. A fee calculation sheet	: 1
description (excluding : 62	2. original separate power of attorney	· :
sequence listing part)	3. original general power of attorney	:
claims : 17	4. Copy of general power of attorney; reference number,	
abstract : . 1	if any:	: 1
drawings : 12	5. statement explaining lack of signature	: -
Sub-total number of sheets : 96	6. priority document(s) identified in Box No. VI as item(s):	
sequence listing part of description (actual number	7. translation of international application into	•
of sheets if filed in paper	(language):	:
form, whether or not also filed in computer readable form; see (b) below)	8. separate indications concerning deposited microorganism or other biological material	:
Total number of sheets : 96	9. sequence listing in computer readable form (indicate also type and number of carriers (diskette, CD-ROM, CD-R or other))	
(b) sequence listing part of description filed in computer readable form	(i) Copy submitted for the purposes of international search	
(i) only (under Section 801 (a)(i))	under Rule 13ter only (and not as part of the international application)	: 'n-
(ii) in addition to being filed in paper form (under Section 801 (a)(ii)) Type and number of carriers (diskette,	(ii) (only where check-box (b)(i) or (b)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter	
CD-ROM, CD-R or other) on which the sequence listing part is contained (additional copies to be indicated under item 9(ii), in	(iii) together with relevant statement as to the identity of	•
right column):	mentioned in left column	:
	10. other (specify): check \$2,146,00, return postcard.	•
Figure of the drawings which should accompany the abstract:	Language of filing of the international application: English	
	, AGENT OR COMMON REPRESENTATIVE	
Next to each signature, indicate the name of the obvious from reading the request).	person signing and the capacity in which the person signs (if such capac	city is not.
William Deleg	•	
William J. Daley, Jr. Attorney for	Paul A. Bottomley	
The Johns Hopkins University School of Me Registration No. 35,487	edicine	
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Date of actual receipt of the purported international application:	For receiving Office use only 2. D	rawings:
Corrected date of actual receipt due to later be timely received papers or drawings completing purported international application:	out ng the	received:
Date of timely receipt of the required corrections under PCT Article 11(2):		not received:
5. International Searching Authority (if two or more are competent): ISA/	6. Transmittal of search copy delayed until search fee is paid	
	For International Bureau use only	
Date of receipt of the record copy by the International Bureau:		

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FEE CALCULATION SHEET

Annex to the Request

	For receiving Office use only	<u> </u>
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nternational Appli	cation No	

Applicant's or agent's	·			
file reference 559	942 PCT (71699)	Date stamp of the recei	ving Office	•
Applicant The Johns Hopkins University Sc	hool of Medicine			
CALCULATION OF PRESCRIBED	FEES			
1. TRANSMITTAL FEE			240.00 T	
2. SEARCH FEE			450.00 S	
International search to be carried out	by U.S.		<u>_</u>	
(If two or more International Searching . search, indicate the name of the Authority	Authorities are competent to carry which is chosen to carry out the i	out the international nternational search.)		
3. INTERNATIONAL FEE			-	
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Where item (b) of Box No. IX applies Where item (b) of Box No. IX does n			-	
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